In-situ Nitrogenated Graphene – Few Layer WS$_2$ Composites for Fast and Reversible Li$^+$ Storage

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Supporting Information

Figure S1 TEM images of WS$_2$-graphene composites synthesized by the reflux (a) and hydrothermal (b) methods.
**Figure S2** Element maps of nitrogen, tungsten, sulfur and carbon of a WS$_2$-graphene composite prepared by the reflux method.

**Figure S3** Element maps of nitrogen, tungsten, sulfur and carbon of WS$_2$-NGC2 composite prepared by the hydrothermal method.
**Figure S4** Coulombic efficiencies of WS$_2$-NGC1, WS$_2$-NGC2 and WS$_2$-NGC5 cycled at 100 mA·g$^{-1}$.

**Figure S5** Coulombic efficiencies of WS$_2$-NGC2 cycled at different current densities.